

1/1

P- loop

Ae-dNK MAAATGPERLG---VAGKKPPTVVEGNI GSGKTFE LNHFEKFKIRYCLLTPVEKWRDC
 Ag-dNK -MPPIASPERLG---ASGKKPPTVVEGNI GSGKTFE LNHFEKFKIRYCLLTPVEKWRNC
 Dm-dNK MAEFAASCARKETKYAEGTQPTVVEGNI GSGKTFE LNHFEKFKIRYCLLTPVEKWRNV
 Bm-dNK -----MS-----ANNVKPPTVVEGNI GSGKTFE LNHFEKFKIRYCLLTPVEKWRDL
 * * * * *

Ae-dNK GGVNLLLELMYKESHPWAMPFOYVVTITMLNMHTYQTDKSVKLMERSMFSARYCFVENMLA
 Ag-dNK GGVNLLLELMYKESHPWAMPFOYVVTITMLDMHTYQTDKSVKLMERSMFSARNCFFVFSMLA
 Dm-dNK NGVNLLLELMYKESHPWAMPFOYVVTITMLQSHIAPTNKKEKLMERSMFSARYCFVENMRR
 Bm-dNK KGCNLLLELMYKESHPWAMPFOYVVTITMLDMHTYQTDKSVKLMERSMFSARYCFVEHMR
 * * * * *

Ae-dNK SGSLHQGMYNVLEQWYEFIHANIHQADLIVYLRTSPENVYERMKRARSEESCVPLKYL
 Ag-dNK SGSLHQGMYNVLEQWYDFICCNIHQADLIVYLRTSPENVYERMKRARSEESCVPLEYL
 Dm-dNK NGSLEQGMYNVLEQWYEFIHANIHQADLIVYLRTSPENVYERMKRARSEESCVPLKYL
 Bm-dNK NNLLHPYQEAFLDEWERTFOHNTFIDADLIVYLRTSPENVYERMKRARSEESCVPLSYL
 * * *

Ae-dNK QELHELHFNWLIHGTFPRV-APVLVLDADLDLNTSSEYKRSETSLK---PILIDMTNQ
 Ag-dNK KELHELHENWLIHGASPRP-APVLVLDADLDLNTGAEYERSETSLK---PILIENTNQ
 Dm-dNK QELHEIMEDWLIHORRPOS-CKVLVLDADLDLNTGAEYERSETSLK---AIS-SNOOP
 Bm-dNK EELHRLHFDWLIINRIHAECPPAPVLVLDADLDLNTSSEYKRSEHQLIKAVNVMSSPNK

nuclear import signal

Ae-dNK H----PILASPSKRSRTTF--
 Ag-dNK H----AIIITSPAKRAKTF--
 Dm-dNK S----PVLVSPSKRQRVAR--
 Bm-dNK HSPKKPISLTPIKIAPHMRIL

Fig. 1

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